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PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

463P114

First Inventor

Masayuki Momiuchi

Title

Solid-State Laser Device

Express Mail Label No.

ER 247780106 US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Commissioner for Patents  
P.O. Box 1450  
Mail Stop: Patent Application  
Alexandria, VA 22313-1450

1. ☒ Fee Transmittal Form (e.g. PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages **20**]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **4** ]
5. Oath or Declaration [Total Sheets **2** ]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
    - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement [ ] Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 [ ] Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☒ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

Name Kevin S. Lemack

Nields & Lemack

Address 176 E. Main Street - Suite 7

City Westboro State MA Zip Code 01581

Country US Telephone 508-898-1818 Fax 508-898-2020

Name (Print/type) Kevin S. Lemack

Registration No. 32,579  
(Attorney/Agent)

Signature

Date February 4, 2004

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**FEE TRANSMITTAL**  
**for FY 2004**

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 810.00**Complete if Known**

Application Number	
Filing Date	
First Named Inventor	Masayuki Momiuchi
Examiner Name	
Art Unit	
Attorney Docket No.	463P114

**METHOD OF PAYMENT (check all that apply)**☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit  
Account  
Number  
Deposit  
Account  
Name

14-0930

Nields &amp; Lemack

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	770
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

**SUBTOTAL (1)** (\$) 770.00**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
5	20** = 0	18	0
1	3** = 0	86	0
		290	0

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1202 18	2202 9	Claims in excess of 20	
1201 86	2201 43	Independent claims in excess of 3	
1203 290	2203 145	Multiple dependent claim, if not paid	
1204 86	2204 43	** Reissue independent claims over original patent	
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent	

**SUBTOTAL (2)** (\$) 0

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	2053 130	Non-English specification	
1812 2,520	2812 2,520	For filing a request for <i>ex parte</i> reexamination	
1804 920*	2804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	2805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	2451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	2460 130	Petitions to the Commissioner	
1807 50	2807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	2806 180	Submission of Information Disclosure Stmt	
8021 40	28021 40	Recording each patent assignment per property (times number of properties)	40
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	2802 900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** (\$) 40.00**SUBMITTED BY**

(Complete if applicable)

Name (Print/Type)	Kevin S. Lemack	Registration No. (Attorney/Agent)	32,579	Telephone	508-898-1818
Signature		Date	Feb. 4, 2004		

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

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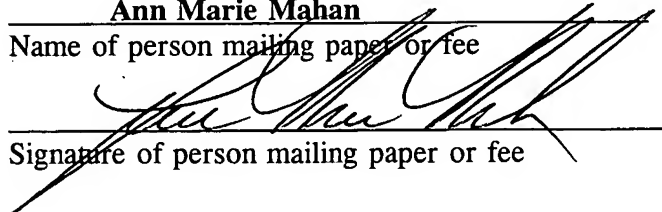
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Masayuki Momiuchi et al.  
Serial No. : Not yet assigned  
Filed : Herewith By Express Mail  
For : SOLID-STATE LASER DEVICE  
Examiner : Not yet assigned  
Art Unit : Not yet assigned  
Attorney  
Docket No. : 463P114  
Type of paper : Fee Transmittal Form, together with a check

"EXPRESS MAIL" MAILING LABEL NO. **ER 247780106 US**  
DATE OF DEPOSIT: February 4, 2004

I hereby certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, **Mail Stop: Patent Application**, Alexandria, VA 22313-1450.

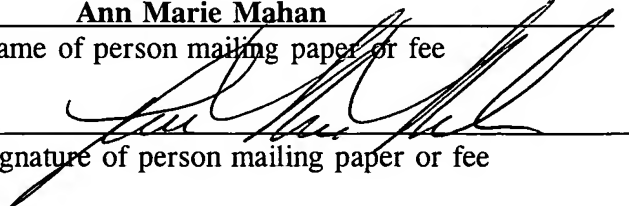
Ann Marie Mahan  
Name of person mailing paper or fee  
  
Signature of person mailing paper or fee

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Masayuki Momiuchi et al.  
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Examiner : Not yet assigned  
Art Unit : Not yet assigned  
Attorney  
Docket No. : 463P114  
Type of paper : **Utility Patent Application Transmittal Form**

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Ann Marie Mahan  
Name of person mailing paper or fee  
  
Signature of person mailing paper or fee

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

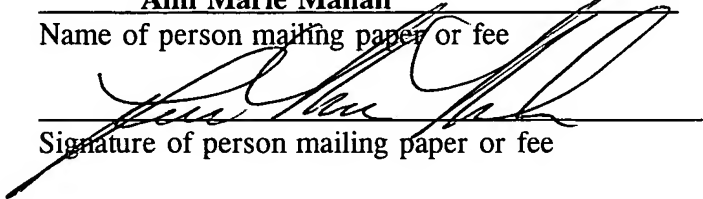
Applicants : Masayuki Momiuchi et al.  
Serial No. : Not yet assigned  
Filed : Herewith By Express Mail  
For : SOLID-STATE LASER DEVICE  
Examiner : Not yet assigned  
Art Unit : Not yet assigned  
Attorney  
Docket No. : 463P114  
Type of paper : Letter

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Ann Marie Mahan

Name of person mailing paper or fee

  
Signature of person mailing paper or fee

Attorney Docket No. **463P114**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **Masayuki Momiuchi, Taizo Eno and Yoshiaki Goto**

For: **SOLID-STATE LASER DEVICE**

Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:


LETTER

The above-identified applicants enclose for filing a patent application entitled "**SOLID-STATE LASER DEVICE**". Said attached patent application includes (1) Utility Patent Application Transmittal Letter (1-Page); (2) Patent Application: 20-Page Specification (including 1-Page cover sheet, 1-Page of Claims (5) and 1-Page Abstract), 4-sheets of A4 size formal drawings and an executed Declaration and Power of Attorney (2-Pages); (3) Recordation Form cover sheet (1-Page); Assignment (1-Page); (4) Claim of Priority Transmittal Letter (1-Page), together with a certified copy of Japanese Patent Application No: 2003-044933 filed 2/21/03; and (5) Fee Transmittal Form, together with a check in the amount of \$810.00 in payment of the filing and recording fees.

All correspondence concerning this application should be mailed to:

**Kevin S. Lemack  
Nields & Lemack  
176 E. Main Street  
Westboro, Massachusetts 01581**

Respectfully submitted,

  
Kevin S. Lemack  
Attorney for Applicant  
Registration No. 32,579

Date: February 4, 2004

**EXPRESS MAIL NO: ER 247780106 US**

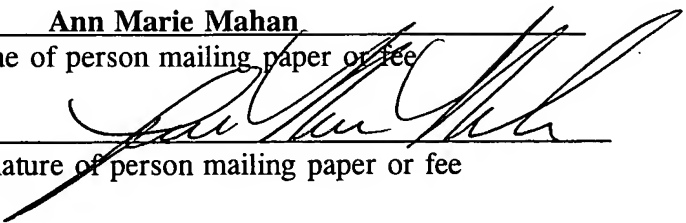
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Masayuki Momiuchi et al.  
Serial No. : Not yet assigned  
Filed : Herewith By Express Mail  
For : SOLID-STATE LASER DEVICE  
Examiner : Not yet assigned  
Art Unit : Not yet assigned  
Attorney  
Docket No. : 463P114  
Type of paper : Patent Application

"EXPRESS MAIL" MAILING LABEL NO. **ER 247780106 US**  
DATE OF DEPOSIT: February 4, 2004

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Ann Marie Mahan  
Name of person mailing paper or fee

  
Signature of person mailing paper or fee

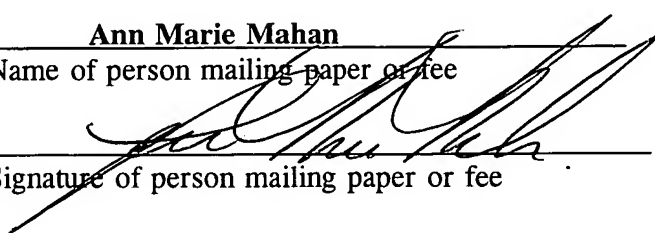
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Masayuki Momiuchi et al.  
Serial No. : Not yet assigned  
Filed : Herewith By Express Mail  
For : SOLID-STATE LASER DEVICE  
Examiner : Not yet assigned  
Art Unit : Not yet assigned  
Attorney  
Docket No. : 463P114  
Type of paper : Assignment

"EXPRESS MAIL" MAILING LABEL NO. ER 247780106 US  
DATE OF DEPOSIT: February 4, 2004

I hereby certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, **Mail Stop: Patent Application**, Alexandria, VA 22313-1450.

Ann Marie Mahan  
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Signature of person mailing paper or fee



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

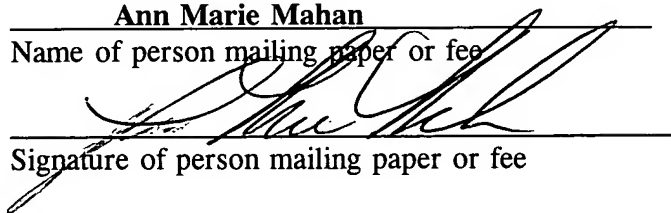
Applicants : Masayuki Momiuchi et al.  
Serial No. : Not yet assigned  
Filed : Herewith By Express Mail  
For : SOLID-STATE LASER DEVICE  
Examiner : Not yet assigned  
Art Unit : Not yet assigned  
Attorney  
Docket No. : 463P114  
Type of paper : **Claim of Priority Transmittal Letter, together with Certified Copy  
of Japanese Patent Appln. No. 2003-044933 filed 2/21/03**

**"EXPRESS MAIL" MAILING LABEL NO. ER 247780106 US**  
**DATE OF DEPOSIT: February 4, 2004**

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Ann Marie Mahan

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